

Date: **December 2nd/3rd**

Title: **Using Slope**

Objective: **To use slope and slope intercept to graph lines**

IN:



Find the slope between the two points.

What does slope mean?

Then find another point using the slope.

1. (1, 3) and (4, 7)

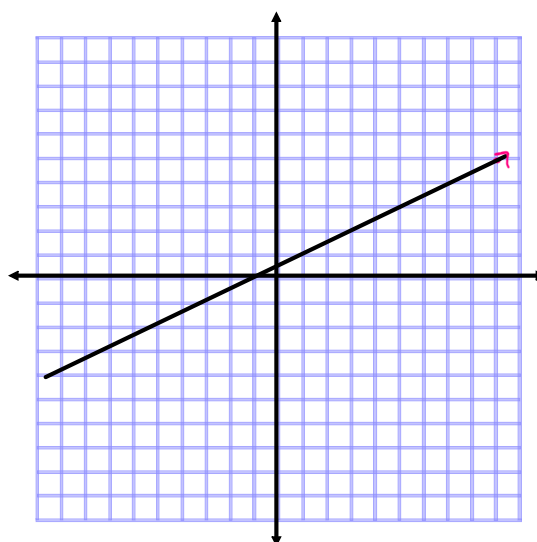
2. (-1, 2) and (3, -2)

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How can we use a slope and a point to graph?

1. (1, 1) slope:

$$\frac{1}{2}$$



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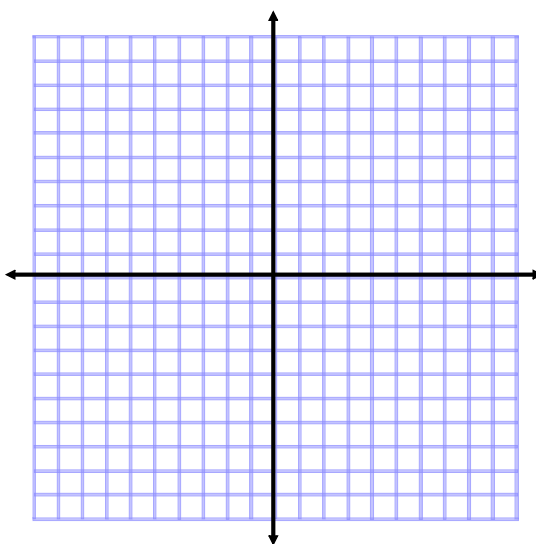
$$y = mx + b$$

What does each letter stand for?

How can we use this information to graph?

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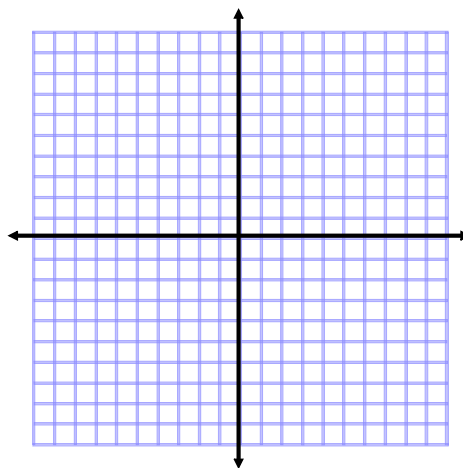
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$$y = \frac{2}{3}x + 1$$

What is the y-intercept?

What is the slope?

Write the slope another way?



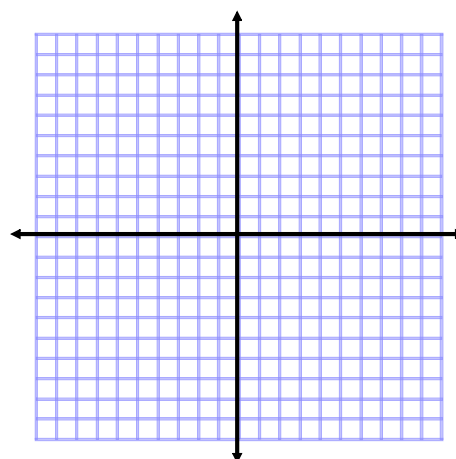
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$$y = \frac{-1}{2}x + 2$$

What is the y-intercept?

What is the slope?

Write the slope another way?



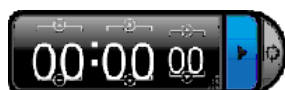
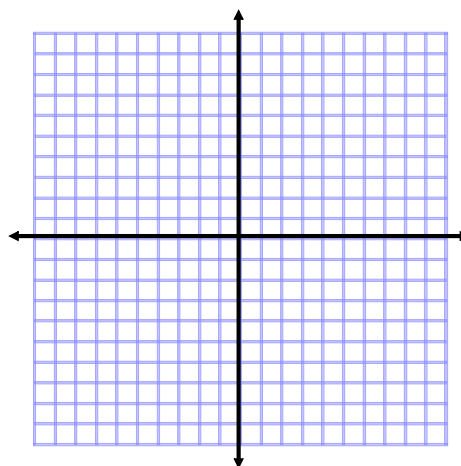
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$$y = 2x - 2$$

What is the y-intercept?

What is the slope?

Write the slope another way?



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